

PROCESSING DATA FOR A TCP CONNECTION USING AN OFFLOAD UNIT

ABSTRACT OF THE DISCLOSURE

A method and apparatus for processing data received and transmitted on a TCP connection is described. An offload unit processes received data for which a special case does not exist, to produce payload data, which is uploaded directly to application memory. The offload unit partially processes received data for which a special case does exist and uploads the partially processed received data to a buffer stored in system memory. The partially processed received data is then further processed by a TCP stack to produce payload data, which is copied to application memory.